

WEAR TESTS ON THE MATERIAL OF ROLLINGX4MILLSROLLS,
BY N. M. VORONTSOV.

RUSSIAN, PER, TRUDY MEZH NAUCH TEKH K
KONFERENTSII NA TEMU, VOL 11, L959, PP 367-372.

BISI 253L

SCI - MIN/METALS

AUG 62

207,126

A New Method for the Mathematical Analysis of
Certain Nonlinear Vibrations, by W. Shuder,
RUSSIAN, spt, Trudy Mezhdunarodnogo Simpoziuma po
Nelineinym Kolchanyam, Kiev, 12-18 Sep 1961,
pp 73-85,
NASA TT P-9269

Sci-Math
May 63

280,160

Topchieva, K. V. and Moskovskaya, L. F.
NATURE OF THE ACTIVITY OF ALUMINOSILICATE
CRACKING CATALYSTS. [1963] 9p 29refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10700

Trans. of mono. Mezhdunarodnoe Soveshchaniye po
Katalizu (International Conference on Catalysis)
(no. 1) [Moscow] 1958. Trudy v. 1, pt. 1 p. 83-89.

DESCRIPTORS: *Catalysts, *Alumina-silica catalysts,
Inhibition, Acids, Impurities, Lithium, Sodium,
Hydrocarbons, Degradation.

TT-64-10700

I. Topchieva, K. V.
II. Moskovskaya, L. F.

(Chemistry--Physical, TT, v. 11, no. 8)

Office of Technical Services

Methods for the Accelerated Determination
of the Quality of Cement, by G. M. Bushchuk,
N.P. Shteiert. UNCL

RUSSIAN, per, Zhurn Min Prom Stroitel Materialov
RSFSR, No 19, 1956, pp 84-114.

DSIR 34787/cz

Sci - Min/Met
Apr 59

85,092

Brown and Yellow Oxidation Products of Smaltite
and Safflorite, by L.K. Yakhontova.

RUSSIAN, per, Trudy Mineralogicheskogo Muzyea.

No. 3⁴, 1961, pp 156-170

NRC/C-5399

Sci -

Aug 67

335-669

New Materials for Cores of Oxide Cathodes, by
B. P. Nikonov, 24 pp.

RUSSIAN, per, Trudy Ministerstvo Radiotekhnicheskogo Promysla, Nauchno-Issled Institut, No 1, 1956, pp 17-33.

SLA 60-10571

Sci

OTS, Vol III, No 7

133,103

Nov 60

Heat Transfer with Turbulent Flow of Mercury in
Narrow Annular Channels, by V. I. Petrovichev,
10 pp.

RUSSIAN, par, NEKOTORYE VOPROSY EKSPERIMENTAL'NOYE FIZIKI, Trudy Ministerstva Vysshego i Srednego Spetsial'nogo Obrazovaniya RSFSR Moskovskiy Inzhenerno-Fizicheskiy Institut, Moscow, Vol 2, 1959.

FTD-MT-64-178

Sci - Phys
Feb 67

320,018

Determination of the Specific Surface of Powders by Electron Microscopy Methods, by O. N. Repkova, D. A. Vasil'kov, and R. L. Grechnyuk, 14 pp.

RUSSIAN, per, NEKOTORYE VOPROSY EKSPERIMENTAL'NOYE FIZIKI, Trudy Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniya RSDFR Moskovskiy Inzhenerno-Fizicheskiy Institut, Moscow, Vol 2, 1959.
FTD-MT-64-178

Sci - Phys
Feb 67

320,019

Balancing Device of an Electronic Paramagnetic Resonance Radiospectroscope, by V. V. Vakhnina, and V. F. Semenov, 10 pp.
RUSSIAN, per, NEKOTORYE VOPROSY EKSPERIMENTAL'NOYE FIZIKI, Trudy Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniya RSFSR, Moskovskiy Inzhenerno-Fizicheskiy Institut, Moscow, Vol 2, 1959.
FTD-MT-64-178

Sci - Phys
Feb 67

320,020

Calculations of Magnetic Pole Profiles, by
I. Ye. Irodov, 6 pp.

RUSSIAN, per, NEKOTORYE VOPROSY EKSPERIMENTAL'N
OYE FIZIKI, Trudy Ministerstvo Vyshego i
Srednego Spetsial'nogo Obrazovaniya RSFSR
Moskovskiy Inzhenerno-Fizicheskiy Institut,
Moscow, Vol 2, 1959.
FTD-MT-64-178

Sci - Phys
Feb 67

320,013

Certain Ionic-Optical Properties of Static
Axial-Symmetric Magnetic and Electrical
Fields, by A. F. Malov, 20 pp.
RUSSIAN, per, NEKOTORIYE VOPROSY
EKSPERIMENTAL'N OYE FIZIKI, Trudy Ministerstvo
Vyshego i Srednego Spetsial'nogo Obrazovaniya
RSFSR Moskovskiy Inzhenerno-Fizicheskiy
Institut, Moscow, Vol 2. 1959.

FTD-MT-64-178

Sci - Phys
Feb 67

320,014

Concerning the Sensitivity of the Luminescent Point Method, by M. A. Varob'yeva, 14 pp.
RUSSIAN, per, NEKOTORYE VOPROSY
EKSPERIMENTAL'N OYE FIZIKI, Trudy Ministerstva
Vyshego i Srednego Spetsial'nogo Obrazovaniya
RSFSR Moskovskiy Inzhenerno-Fizicheskiy
Institut, Moscow, Vol 2, 1959.
FTD-MT-64-178

Sci - Phys
Feb 67

320,015

Scattering of μ -Mesons with Impulses Near 100
Mev-sec $^{-1}$ in Copper and Iron, by V. G.
Kirillov-Ugryumov, B. A. Dolgochein, A. M.
Moakvichev, L. P. a Morozov, 16 pp.
RUSSIAN, per, NEKOTORYIE VOPROSY
NEKSPERIMENTAL'N OLE FIZIKI, Trudy Ministerstvo
Vysshego i Srednego Spetsial'nogo Obrazovaniya
RSSFR Moskovskiy Inzhenerno-Fizicheskiy
Institut, Moscow, Vol 2, 1959.
FTB-MT-64-178

Sci - Phys
Feb 67

320,016

Polarization of the u-+Meson Flux at Sea
Level, by B. A. Dolgoshein and B. I. Luchkov

7 pp.

RUSSIAN, per, NEKOTORYYE VOPROSY EKSPERIMENTAL'N
OYE FIZIKI, Trudy Ministerstvo Vysshego i
Srednego Spetsial'nogo Obrazovaniya RSFSR
Moskovskiy Inzhenerno-Fizicheskiy Institut,
Moscow, Vol 2, 1959.

FID-MT-64-178

Sci - Phys
Feb 67

320,017

Multichannel Photomultipliers for the
registration of X-ray Radiation, by L. I.
Andreyeva, B. M. Stepanov, 14 PP.
RUSSIAN, per, NEKOTORYE VOPROSY
EKSPERIMENTAL'NOY FIZIKI, Trudy Ministerstvo
Vyshego i Srednego Spetsial'nogo
Obrazovaniya RSFSR Moskovskiy Inzhenerno-
Fizicheskiy Institut, Moscow, Vol 2, 1959.
FTD-MT-6-178.

Sci - Phys
Feb 67

320,008

Linear Gating Circuit for Pulses of Any
Sign, by M. N. Tsaregorodtsev, 6 pp.
RUSSIAN, per, NEKOTORYE VOPROSY
EKSPERIMENTAL'NOY FIZIKI [Trudy
Ministerstva Vysshego i Srednego Spetsial'nogo
Gorazdovaniya RSFSR Moskovskiy Inzhenerno-
Fizicheskiy Institut, Moscow, Vol 2, 1959.
FTD-MT-64-178

Sci - Phy
Feb 67

320,009

Calculation and Experimental Characteristics
of an Instrument for the Measurement of a
Stable Nuclear Reactor Period, by P. I.
Popov, 12 pp.

RUSSIAN, per, NEKOTORYYE ZAPROSY
EXPERIMENTAL'N OYE FIZIKI, Trudy Ministerstvo
Vyshego i Srednego Spetsial'nogo Obrazovaniia
RSFSR Moskovskiy Inzhenerno-Fizicheskii
Institut, Moscow, Vol 2, 1959.
FTD-MT-64-178

Sci - Phys
Feb 67

320,010

Operation of Gas-Discharge Counters with
Large Overvoltage Pulses, by B. A. Dolgoshein,
B. I. Luchkov, and V. I. Ushakov, 10 pp.
RUSSIAN, per, NEKOTORIYE DOPROSY EKSPERIMENTAL'N
OYE FIZIKI, Trudy Ministerstvo Vysashego i
Srednego Spetsial'nogo Obrazovaniya RSFSR
Moskovskiy Inzhenerno-Fizicheskiy Institut,
Moscow, Vol 2, 1959.
FTD-MT-54-178

Sci - Phys
Feb 1967

320,011

Lenses for the Compensation of the Effect of
Intersectional Gaps in Linear Proton Accelerators,
by A. D. Vlasov, 12 pp.

RUSSIAN, per, NEKOTORYE ZOPROSY EKSPERIMENTAL'N
OYE FIZIKI, Trudy Ministerstvo Vyshegogo i
Srednego Spetsial'nogo Obrazovaniya RSFSR
Moskovskiy Inzhenerno-Fizicheskiy Institut,
Moscow, Vol 2, 1959.

FID-MT-64-178

Sci - Phys
Feb 67

320,012

I. A. Kibel

Some New Problems of Hydrodynamic Short-Range
Weather Prediction.

RUSSIAN, per, Mirovoi Meteorologicheskii Tsentr.
Trudy, No 3, 1964, pp 3-18
NTC 72-13425-04B (p. 1-20)

Oct 72

Objective Analysis of Pressure Pattern Charts of
the Northern Hemisphere, by S. A. Mashkovich, 11 pp.
RUSSIAN, per, Trudy Mirovogo Meteorologicheskogo
Tsentra, No 4, 1964, pp 3-10.
JPRS 29671

USSR
Sci-Earth Sci & Astronomy
Apr 65

279,041

Realization of a Scheme for the Objective Analysis of
Northern Hemisphere Constant Pressure Charts on an
Electronic Computer, by S. A. Meshkovich and S. I.
Gubanova, 10 pp
RUSSIAN, per, Trudy Mirovogo Meteorologicheskogo
Tsentra, No 4, 1964, pp 11-16.
JPNB 29071

USSR
Sci-Earth Sci & Astronomy
Apr 65

279,042

Results of Numerical Experiments by the Dynamic Analysis Method, by M. S. Fuks-Rabinovich, 12 pp
RUSSIAN, per Trudy Mirovogo Meteorologicheskogo Tsentra, No 4, 1964, pp 17-26.
JPRS 29671

USSR
Sci-Earth Sci & Astronomy
Apr 65

279,043

Experience in the Objective Analysis of the Wind Field by the Optimal Interpolation Method, by
M. O. Krichak, 8 pp
RUSSIAN, per Trudy Mirovogo Meteorologicheskogo Tsentra, No 4, 1964, pp 44-49.
JPRS 29671

USSR
Sci-Earth Sci & Astronomy
Apr 65

279,044

V. V. Bykov

A Multi-Level Scheme for Numerical Analysis of
Upper Air Data.
RUSSIAN, per, Mirovoi Meteorologicheskii Tsentr.
Trudy, No 4, 1964, pp 56-72
NFC 72-13425-04B (p. 21-38)

Oct 72

Influence of a Method of Air Admission on Pressure
Surges in Draft Tube Models of Axial Hydro-
Turbines, by Yu. M. Isaev.
RUSSIAN, per, Trudy, Leningrad. Politekhnicheskii
Institut. No 215, 1961, pp 58-68.
NTC 71-14309-13G

Feb 72

Sulaimankulov, Ky
INTERACTION OF UREA WITH MINERAL SALTS.
[1961] 7p.
Order from ATS \$12. 80

ATS-89N55R

Trans. of mono. Trudy Molodykh Nauch. Rabochikov,
Akad. Nauk Kirgiz SSR, 1958, p. 81-87.

DESCRIPTORS: *Urea, Minerals, *Salts, Chemical
reactions.

Chemistry--Organic, TT, v. 7, no. 6)

61-25716

I. Sulaimankulov, K.
II. ATS-89N55R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Soils of the Mongolian National Republic, by
N. D. Bespalov, 321 pp.

RUSSIAN, per, Trudy Mongolskoi Komissii, Vol XLI,
1956, 318 pp. USGS 502(690) K83m3.

*PL-480
USDA

OTS 64-11073

Sci -
Jun 63

Free Oscillations of Linear Systems With Variable
Parameters, by F. A. Mikhaylov. 265 pp.
RUSSIAN, pb., Trudy, Moscow, Aviationnyy Institut.
No 135, 1961, pp 1-272. P1002S4767-V
FTD-MT-64-93

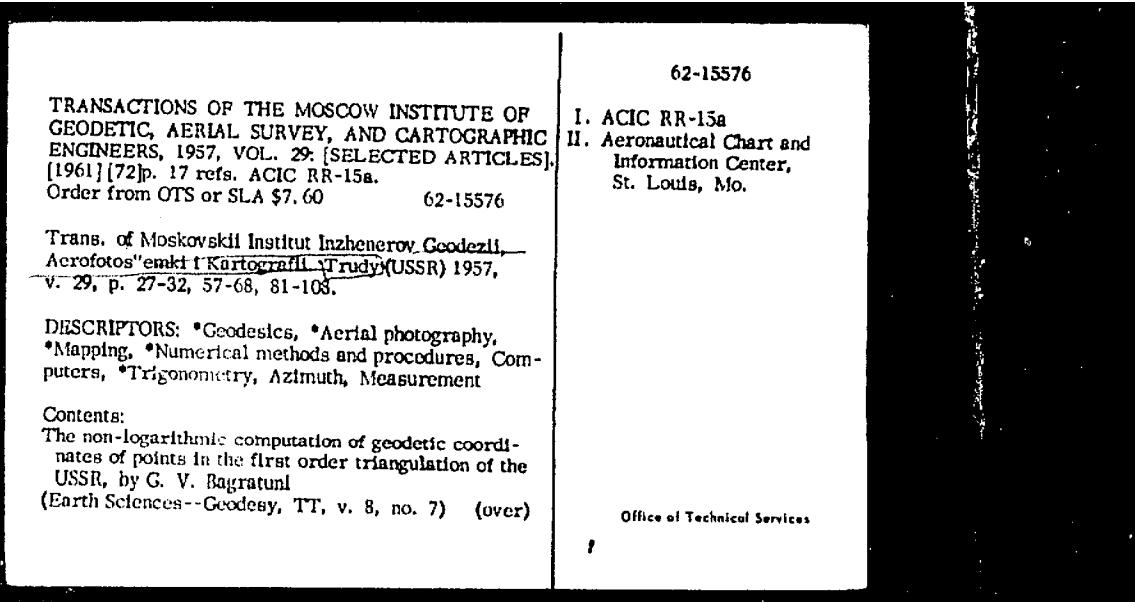
Sci/Mathematical Sci
Sep 67

339,563

Working Accuracy of Mechanical Phase Converter of
Ultra High Frequency and Continuous Action, by
V. L. Gostyukhin. 23 pp.
RUSSIAN, Trudy, Moscow, Aviatsionnyy Institut,
No 159, 1964, pp 257-272. P100025966
FTD-TT-66-60

Sci/Mech, Indust, Civil &
Marine Engr
Sep 66

309,439



The Photo-Recording of Wave Elements, by
A. A. Ivanov. UNCL

Trudy

RUSSIAN, per, ~~the~~ Morsk Gidrofiz In-ta AN SSSR,
Vol IV, 1950, pp 19-22.

DSIR LLU N.656 (loan)

Sci - Geophys, oceanography
Dec 59

102, 459

62-15573

TRANSACTIONS OF THE INSTITUTE OF GEODETIC
AERIAL SURVEY, AND CARTOGRAPHIC ENGINEERS,
1958, VOL. 32 [SELECTED ARTICLES]. [1961] (50)p.
3 refs. ACIC RR-15b.
Order from OTS or SLA \$4.60 62-15573

Trans. of Moskovskii Institut Inzhererov Geodezii
Aerofotosemki i Kartografii. Trudy (USSR) 1958,
v. 32, p. 37-60 and 107-112.

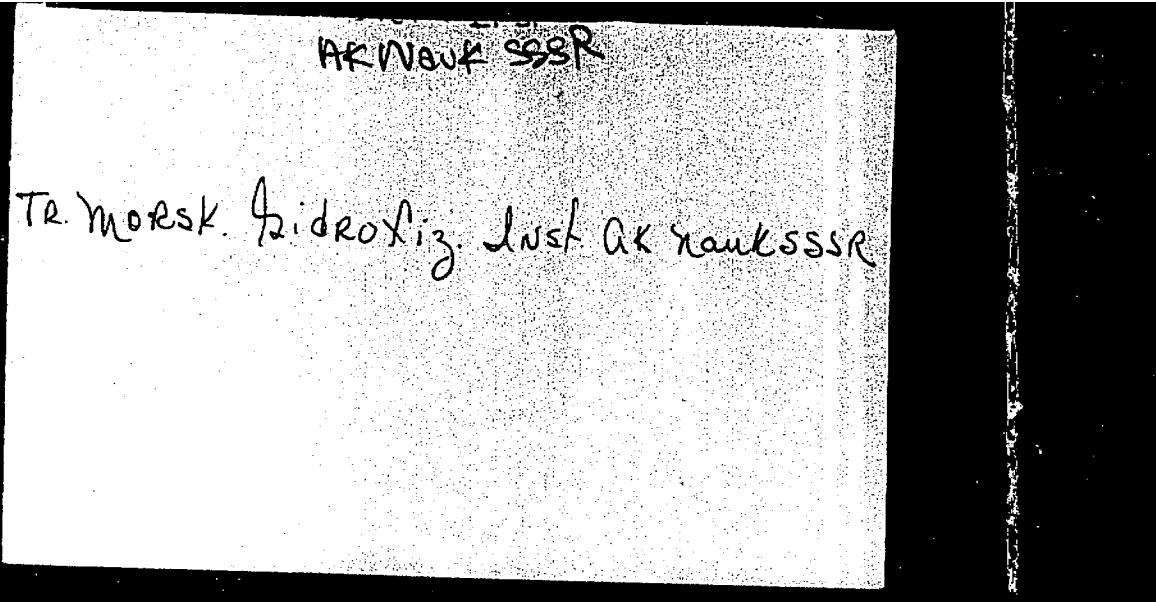
DESCRIPTORS: *Geodesics, *Aerial photography,
*Mapping, Geography, Measurement, Stars, Azimuth,
*Trigonometry, Equations

Contents:

A comparison of the Talcott and Pevisov methods for
determining latitude, by A. N. Kuznetsov
Experiment in the utilization of base and azimuth con-
ditions in space triangulation, by G. D. Fedoruk
(Earth Sciences--Geodesy, TT, v. 8, no. 7) (over)

- I. ACIC RR-15b
II. Aeronautical Chart and
Information Center,
St. Louis, Mo.

Office of Technical Services



Origination of Wind Waves on Water Surface, by
G. E. Kononkova.

RUSSIAN, per, Trudy Morskogo Gidrofizicheskogo
Instituta, Akademiia Nauk SSSR, Vol III, 1953,
pp 1-29.

Navy Tr 1703/HO 21

Sci - Geophysics
May 58

62,921

Complex Scattering of Light in Turbid Media
(Chapter 1 and 2), by V. A. Timofeyev. 71 pp.
RUSSIAN, bk, Trudy Morskogo Gidrofizicheskogo
Instituta, No 3, 1953, pp 35-81.
AIR/FID/MT-24-33-69

sci/astrophysics
nov 69

397,119

(FDD 24385)

On the Calculation of the Annual Course of
Water Temperature in the Southern Seas, by
A. G. Kolesnikov, 23 pp.

RUSSIAN, bk, Trudy Morskogo Gidrofiz Instituta,
Vol III, Moscow, 1953, pp 106-127.

CIA/FDD Tr 418

24,832

USSR

Sci - Geophysics, Physics, hydrology CTS 68/May 55

Some Conclusions From an Analysis of Observational
Data on Wind-Excited Disturbances, by A. A. Ivanov.
UNCL.

RUSSIAN, per, Trudy Morsk Gidrofizika Inta- AM SSSR,
Vol VIII, 1956, pp 44-62.

DSIR LIU H.657 (loan)

Sci - Geophys, oceanography
Dec 59

102, 460

Theory of Ocean Waves, by V. V. Shuleykin.

RUSSIAN, per, Trudy Moskogo Gidrofizicheskogo
Instituta, Vol IX, 1956, 141 pp.

*Navy/HO 204

Sci - Earth Sci & Astron
Jul 63

Corrosion of Concrete Reinforcement in
Sea Water, by V. K. Zhavoronkina,
RUSSIAN, per, Trudy Moskovo Gid.
Akad Nauk SSSR, Vol 10, pp 106-118, 1957
AEC ORNL-TY-515 9230188

Sci-Engr
Nov 65

291,629

The Coefficient of Turbulent Heat Exchange
in the Surface Layer of the Black Sea,
by Z. S. Ivanova.
RUSSIAN, per, Trudy Morskogo Gidrofiz Inst,
Vol XIII, 1958, 54-64.
Dept of Navy Tr 4539/N00 Tr 263

Sci - ES
Mar 66 297,789

(17-3030).

Micromobattery for Measuring Δ Pulsations in Air Temperature, by V. I. Nemchenko, 3 pp.

RUSSIAN, par, Trudy Morskogo Gidrofin-Inst, Moscow,
Vol XIII, 1953, pp 73-77.

JPFS-2127-N

USSR
Sci - Geophys, Oceanography
Jan 60

106,306

Current Status on the Problem of Ice Formation,
by S. V. ~~and~~ Lutkovskiy. UNCLASSIFIED

RUSSIAN, per, Trudy Morskogo Gidrofizicheskogo
Instituta, Akademii Nauk SSSR, Vol XII, 1958, pp 117-153.

Navy 2195/ONI 497

Sci - Geophysics
Jul 59

92,798

Certain Considerations on Improving the Quality
of Ice Forecasts, by S. V. Iank Lashkovskiy.

UNCLASSIFIED

RUSSIAN, per, Trudy Morskogo Gidrofizicheskogo
Instituta, Akademia Nauk SSSR, Vol XII, 1978,
pp 171-180.

Navy 2271/OMX 500

Sci - Geophysics
Sep 59

96,187

Determination of the Velocity and Direction of a Current by Means of a Buoy Fitted With a Staine,
by P. Shukarev, 11 pp. UNCLASSIFIED

MECHANICAL, no. Trudy Morskogo Gidrofizicheskogo
Instituta, Vol XV, 1959,

Navy 2511/ONI 697

Sci - Geophysics
Jun 60

118, b 90°

The Frequency Spectra of the Periods of Sea Waves. (Results of an Investigation of the Periods of Waves Recorded Near the Sea Bed),
by L. A. Korneva.

RUSSIAN, per, Trudy Morskogo Gidrofizicheskogo Instituta, Vol XV, pp 65-79.

DSIR LLU M.1287

(loan)

128,766

Sci - Geophys

Oct 60

Mashkova, G. B.

THE STRUCTURE OF MEDITERRANEAN DEPRESSIONS MOVING ACROSS THE BLACK SEA. 6 June 60.
20p. (21 figs. omitted) 9 refs. Trans. no. 50; M1926.
Order from LC or SLA m1\$2.40, ph\$3.30 61-13310

Trans. of Akademiya Nauk SSSR, Mor[skiy]
Gidrofiz[icheeskiy] Inst[itut]. Trudy, 1959, v. 15,
p. 144-166.

The depth of the Mediterranean depressions, passing over the Black Sea, for the greater part is equal to 2-3 km. These are usually low, warm depressions, which are given on the 700-mb-contour chart as a trough and only sometimes as a closed isohypse. In all instances (except when the depression passes along the south of the Black Sea) a change of air-masses takes place. The change of air-masses is observed up to an altitude of 2-3 km. When the cyclone passes to the south of the Black Sea, the Crimea usually remains in the same air mass, which is on the northern periphery of the depression. (Author)

61-13310

1. Atmosphere--Pressure
2. Title: Mediteranean depression
- I. Mashkova, G. B.
- II. Trans-50
- III. DSIR LLU M. 1926

148,701

Office of Technical Services
(Earth Sciences--Meteorology,
TT, v. 5, no. 7)

... by Gx Rx [redacted] Z. K. Grigorash, 5 pp.

RUSSIAN, Per, Trudy Morskogo Gidrofizicheskogo
Instituta, Vol XVIII, 1959, pp 113-116.

Navy Tx 3598/HO 197
OTS/SLH 63 ~3742
Sci - Barth Sci & Astron
Nov 63

242, 427

Organic Matter in Sea Water, by B. A. Skopintsev.

RUSSIAN, per, Trudy Morskogo Gidrofiz. Inst., Ak
Nauk SSSR, Vol XIX, 1960, pp 3-20.

SLA. RFB 2006

Sci - Geophys

Jul 62

204, 8417

C/ FEB 1962

Relationship between the Tangential Wind Stress Over
All Agitated Water Surface and the Velocity of
Wind, by R. N. Ivanov, 13 pp.

RUSSIAN, per, Ak Nauk*SSSR, Trudy Morskogo Gidrofizicheskogo Instituta, № 20, 1960, pp 20-32.

*PL-480
OTS 63-1107

Sci -
Aug 63

Role for the Vertical Stability of Water ~~Exx~~ Layers
in the Development of the Phenomena of Upwelling in
the Deep Sea (Rol' vertikal'noi Ustoichivosti Sloev v
Razvitiu Sgonnogo Iavleniia v Gklubokom More),
by Yu. G. Ryzhkov, 3pp.

RUSSIAN, per, Ak Nauk SSSR, Trudy Morskogo
Gidrofizicheskogo Instituta, No 20, 1960,
pp 33-35.

*PL-480

OTS 63-1107

Sci -
Aug 63

Vel'mozhnaya, Yu. A.
ON THE PROSPECTS OF USING THE INTERFEROMETER FOR THE DETERMINATION OF SALINITY OF SEA WATER (O Vozmozhnosti Primeneniya Interferometra dlya Opredeleniya Solenosti Morskoi Vody) tr. by M. Slessers. 1962 [12]p. 10 refs. HO Trans-158. Order from OTS or SLA \$1.60

62-33573

Trans. of Akademiya Nauk SSSR, Morskii Gidrofizicheskii Institut, Trudy, 1960, v. 22, p. 26-32.

DESCRIPTORS: *Interferometers, *Salinity, *Sea water, Oceans, Calibration, Volumetric analysis, Refraction.

The small Soviet produced Interferometer ITR-2 (weight 15 kg), which is based on the German model designed by the Optics Department of the Institute of (Earth Sciences--Oceanography, TT, v. 10, no. 2)
(over)

62-33573

- I. Vel'mozhnaya, Yu. A.
- II. HO Trans-158
- III. Naval Oceanographic Office, Washington, D.C.

OTS 63-11157

Office of Technical Services

The Heat Balance of the Northern Atlantic in
Spring, by S. G. Bogulinovskiy.

RUSSIAN, par, Trudy Morskogo Gidrofiz Inst Ak-
Nauk SSSR, No 20, 1960, pp 36-43.

NLL N 5073

Sci - Earth Sci & Astron
May 63

229,339

On the Calculation of Vertical Component of Drift
Current, 3 pp.

RUSSIAN, per, Trudy Morskogo Gidrofiz Inst,
Vol XXII, 1960, pp 3-4.

Navy Tr 3260/HO 157

Sci

Nov 62

On the Prospects of Using the Interferometer
for the Determination of Salinity of Sea Water,
by Uy. A. Val'moshnaya, 10 pp.

RUSSIAN, per, Trudy Morakogo Gidrofiz Inst,
Vol. XXXI, 1960, pp 26-32.

Navy Tr 3261/HO 158

Sci - Geophys

217,518

Nov 62

Microbarograph for the Registration of Very
Small Fluctuations of Atmospheric Pressure
Caused by the Passage of Internal Waves, by
A. A. Gus'kov, 5 pp.

RUSSIAN, bk, Trudy Morskogo Gidrofiz Inst,
Iz Ak Nauk SSSR, Moscow, Vol XXIII, 1961,
pp 148-150. 9669771
9686758

FTD-TT-63-541

Sci-Earth Sci

342076

Aug 63

<p>SOVIET OCEANOGRAPHY, 1962 [NO. 1]: TRANSACTIONS OF THE MARINE HYDROPHYSICAL INSTITUTE, ACADEMY OF SCIENCES OF THE USSR, 1962, VOL. 25 (SIXTH VOYAGE OF THE MIKHAIL LOMONOSOV), Aug 63, 168p Order from AGU \$16.00/year (4 issues)</p> <p>Trans. of Akademiya Nauk SSSR, Morskoi Gidrofizicheskii Institut, Trudy, 1962, v. 25, p. 3-207.</p> <p>DESCRIPTORS: *Oceanology, Oceanographic vessels, Ocean currents, Atlantic Ocean, Ocean waves, Marine meteorology, Chemistry, Organic materials, Carbon, Oxygen, Colorimetric analysis, Marine geology, Silt, Plankton, Periodicals.</p> <p>Contents: Main scientific results of the sixth voyage of the R/V "Mikhail Lomonosov", by A. G. Kolesnikov (Earth Sciences--Oceanography, TT, v. 10, no. 12) (over)</p>	<p>63-22875-1</p> <p>I. Title: Sixth... II. American Geophysical Union, Washington, D. C. III. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>	
---	--	--

The Distribution of Sound Velocities in the
North Atlantic Ocean in the Autumn and Spring
Seasons, by M. A. Ivanova,
RUSSIAN, per, Trudy Morskogo Gidrofiz.
& Inst Ak Nauk SSSR, Vol XXVIII, 1963,
pp 23-31.

*Navy/T HO 224

Sci - Earth Sci & Astron
Jul 64

*cross reference said (also filed under)
Russia, tek, Tgiz Morya.*

TR. Mosk. Aviatsiya Inst.

On the Noise of the Rotation of the Aircraft
Propeller, II pp.

VINITI, ser. Frady Voskov aviaticheskoe inst.
Vol LI, 1951, pp 8 5-16.

SIR 2876
Reed, Lib Sv Sec
Air Info Div
Lib Congress

Set - 100

Secondary Losses and Their Influence on the
Characteristics of a Turbine Stage, by B. A.
Cherkasov. UNCL

RUSSIAN, per, Trudy Mosk Aviats In-te, Vol LIVIII,
1956, pp 42-60.

TIL T 4959

Sci - Aero; Engr
Jan 60

105 771

The Determination of Viscosity of
Liquids Containing Dissolved Air,
by A. D. Reshetnikova.
RUSSIAN, per, Trudy Moskovskogo
Aviatsionnogo Instituta, 1959,
■ 117, pp 82-102.
NLL RTS 2682 (On Loan or Purchase)

Aug 65

288,107

Self-Induced Oscillations of a Neutral Airplane With
an Autopilot Having an Impulse-Type Servo, by S. M.
Alferov.

RUSSIAN, bk, Trudy Moskva Aviatsionny Institut.
Voprosy Avtomaticheskogo Regulirovaniya Dvizhushchikhsya
Ob'ektor, No 130, 1961, pp 71-86.
pp 87-107
*FTD TT 62-1073

Sci - Aero
15 Jul 62

Certain Problems of the Theory of Linear Automatic Control Systems of Several Quantities, by S. I. Rybnikov.

RUSSIAN, per, Trudy Moscow Aviatsionnyy Inst. Voprosy Avtomaticheskogo Regulirovaniya Dvizhushchikhsys Ob'yektor, No 139, 1961, pp 119-128.

*FTD-TT-62-1384

Sci - Engr., Phys

Sep 62

On the Investigation of Correlation of Random Quantities, by G. A. Stepan'yants.

b4
RUSSIAN, per, Trudy Nr. 139, Moscow. Aviatsionnyy Institut. Voprosy Avtomaticheskogo Regulirovaniya Dvizhushchikhsya Objektov, 1961, pp 129-133.

*FTD-TT-62-1191

Sci - ~~Mathengr~~

Aug 62

On the Question of the Elimination of Vibrations
in Aircraft, Engines, by M. E. Levit, Yu. A. Kolosov.

RUSSIAN, per, Trudy Mosk Aviat Inst, No 140, 1961,
pp 130-147.

*FTD TT 62-738

Sci - Aero
2 May 62

Transient Combustion Processes in Engines,
by D. I. Abugov, 77 pp.

RUSSIAN, bk, Trudy Moskovskogo Aviatcionnogo
Instituta im Sergo Ordzhonikidze,
Rezhchichye Protsessy v Teplovymh Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V
9672019-V

FID MCH-1173/1

176, 118

Sci - Engg

14 Dec 60

High-Temperature, High-Power Stabilized
Electric Arcs (Electric Arc Plasmotrons),
by V. B. Tikhonov, Ye. A. Yakovlev, 60 pp.

RUSSIAN, bk. Trudy Moskovskogo Aviatsionnogo
Instituta im. Sergo Ordzhonikidze,
Rabochiye Protsessy v Teplovykh Dvigatel'nykh
Ustanovkakh, No. 119, 1960. 9672019-V

FED MCN-11173/1

Sci - Engr

176, 117

14 Dec 61

Distribution of Liquid in a Spray WITH
Impinging Jets, by I. G. Panarin, 27 pp.

RUSSIAN, bk, Trudy Moskovskogo Aviatsionnogo
Instituta im Sverga Ordzhonikidze Rabochiye
Prosesсы v Teplovых Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V

FTD MCL-3173/1

Sci. & Engr

176, 119

14 Dec 61.

On Atomizing Liquids by Sprayers With
Impinging Jets, by I. G. Pancev, 13 pp.

RUSSIAN, bk, Trudy Moskovskogo Aviatsionnogo
Instituta im Sergo Ordzhonikidze Rabochiye
Protsessy v Teplovym Dvigatel'nykh
Ustanovkakh, No 212, 1960. 9672019-v

RFD MCL-1173/1

Sci. Engg

176.120

14 Dec 61

Investigation of the Spreading Over a Wall
of an Axially Symmetrical Jet, by
V. A. Kirochkin, 19 pp.

RUSSIAN, bk, Trudy Moskovskogo Aviatsionnogo
Instituta im. Šergo Ordzhonikidze Rabochiye
Protsessey v Teplovyykh Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V

FMT MCL-1173/1

Sci - Aero

176, 122

12 Aug 71

Experimental Investigation of the Effect of
Vibration of Pipes on the Parameters of the
Liquid Flowing in them, by L. A. Lutyshev,
N. B. Ritoval'skiy, V. B. Tikhonov, 26 pp.

RUSSIAN, Ok, Trudy Moskovskogo Aviatsionnogo
Instituta im Sergo Ordzhonikidze Rabochiye
Protsessy v Teplovykh Dvigatel'nykh
Ustanovkakh, No 11(1), 1958. 5672019-V

FTD MCL-L173/1

176, 12/

Sci - Engr

14 Dec 64.

Regeneration or Heat in Liquid Propellant
Rocket Engines, by A. V. Kvasnikov, 39 no.

RUSSIAN, ok, Trudy Moskovskogo Aviatsionnogo
Instituta im Sergo Ordzhonikidze Rebochiye
Protsessy v Teplovых Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V

FID NCL-1173/1

Sci - Engr

176, 12.3

14 Dec 61

Cooling of Short Working Turbine Blades by
Means of Heat Removal to the Cooled Root,
by A. F. Shtyrlin, 35 pp.

RUSSIAN, bk, Trudy Moskovskogo Aviatsionnogo
Instituta im Sergo Ordzhonikidze Rabochiye
Protsessy v Teplovykh Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V

FID MCL-1173/1

Sci - Engr

176, 124

14 Dec 61

On the Possibility of Utilizing Binary
Compounds for Model Study of Turbines, by
V. M. Tyugin, 2⁴ pp.

RUSSEAN, lk, Trudy Moskovskogo Aviatcionnogo
Instituta im Serge Ordzhonikidze Rabochiye
Protsessy v Teplovykh Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V

FTD MCL-1173/1

Sci - Engr

176, 126

14 Dec 61

On the Influence of the Design and Material
of a Rotating Disk on its Stressed State and
Load Carrying Capacity, by Yougen Peshins, 1947.

RUSSIAN, per, Trudy Moskovskiy Aviatsionnyy
Tekhnologicheskiy Institut, Voprosy
Soprotivleniya Materialov, Vol XXXVII, 1959,
pp 5-12.

FTD AFIC MCL-611/1

Sci - Engr
3 Aug 61

162,839

Concerning the Approximation of Deformation
Diagrams, by G. T. Ivanov, I. A. Skoryy, 26 pp.

RUSSIAN, per, Trudy Moskovskiy Aviatsionnyy
Tekhnologicheskiy Institut Voprosy,
Sovremeniva Materialov, Vol XXXVII, 1959,
pp 13-32. 9670230

FTD
AMIC MCL-611/1

Sci - Engr

Aug 61

162,832

Testing of Floating Gyroscopes, by G. A. Slomyanskiy.

RUSSIAN, per, Trudy Mosk Aviat Tekh Inst, Voprosy
Tekh Priborostroyeniya, No 40, 1959, pp 21-54.

*FTD TT 62-1230

Sci - Engr
6 Sep 62

PECULIARITIES OF AERODYNAMIC ARRANGEMENT OF SUBSONIC
AIRCRAFT, BY L. A. TUPOLEV, 12 PP.

RUSSIAN, PER, TRUDY MOSKOVSKIY AVIATS TEKHNOLOGICHESKIY
INST, NO 42, 1959, PP 105-113. 9678204

FTD-TT-62-613

SCI - AERO
11 OCT 62

212,318

INVESTIGATION OF WROUGHT ALLOYS OF THE SYSTEM
AL-Mg WITH ADDITIONS OF MANGANESE AND CHROMIUM, BY
V. A. LIVANOV, ET AL.

RUSSIAN, PER, TRUDY MOSKOV AVIATS TEKH INST, NO 43,
1960, PP 68-85.

NLL M. 4983

SCI - MIN/METALS

OCT 62

214,723

Determination of Tendency of Al-Mg Alloys to
Stress ~~E~~ Corrosion From the Microstructure,
by V. I. Eлагин, Е. В. Ехина.

RUSSIAN, per, Trudy Moskov Aviatsiya Tekh
Inst., No 43, 1960, pp 86-90.

MLL N. 4684

Sci - Chem
Jun 62

201, 019

Structural Strength of Aviation Alloys, by
S. V. Sejensen, Ye. V. Gyatsintov, et al.
RUSSIAN, p r, Trudy Moskov Aviat Tekh Institut,
No 54, 1962, 102 pp.

*FTD-MT-64-51

Sci
Jun 64

The Increase of the Reliability and Accuracy of
Potentiometric Pickups of Gyroscopic Instruments,
by Z. F. Urazayev, V. Yu. Shishmarev. 33 pp.
RUSSIAN, bk, Trudy, M., Aviatsionnyy Tekhnologicheskiy Institut, 1964, Np 59, pp 3-4;
111-317. P100235467
PTD-MT-65-301

Sci/Navigation et c
Aug 67

336,639

New Trends in the Development of Gyroscopes, by
M. I. Zaytsev & G. A. Slonyanskiy, 16 pp.
RUSSIAN, per, Aviaticheskiy Tekhnologicheskiy
Institut, Trudy, No 59, 1964, pp 5-16.
P100371467
FTD-MT-24-96-67

Sci/Meth & Equip
Jan 68

349,357

Dynamic Balancing of Rotors Used in Instrument
Making, by V. Ye. Myachin, 17 pp.
RUSSIAN, per, Avtostolmny Tekhnologicheskiy
Institut, Trudy, No 59, 1964, pp 40-53.

P100371667

FTD-MT-24-97-67

Sci/Math & Equip
Jan 68

349,356

Moments Originating from Errors in the Form of
Rolling Surfaces of a Ball Bearing, by
Ye. M. Rodionov.

RUSSIAN, per, Trudy Aviatsionnyy Tekhnicheskij Inst, 1964, pp 54-73. P100218667

FTD-HT-66-374

Sci-Aero
Aug 67

338,161

Determining Maximum Values of Gravitational Drift
and Drift From Unequal Rigidity of Floating In-
tegration Gyroscopes, by G. A. Slomyanskiy.

12 pp.

RUSSIAN, per, Trudy Aviatsionnyy Tekhnologicheskiy
Institut, No 59, 1964, pp 74-82. P100050766
FTD-TF-66-63

Sci/Navigation etc
Oct 66

311,454

The Concentartion of Creep Stresses and Strains
in Aluminium Alloy Plates, by S. V. Serensen and
N. A. Borodin, 15 p.

RUSSIAN, per, Trudy Aviatsionnyi Tekhnologicheskiy
Institut, Vol LXI, 1964, pp 73-85.
NLL RTS-3035.

Sci-Phys
Jul 66

304,495

Aviation Technological Institute, by various authors.
RUSSIAN, per, Trudy Aviats Tekh Inst, 1964, No 61.
pp 168.
*FTD-MT-65-92

USSR
Sci/Aerospace
Apr 65

The Effect of the Material of the Cutting Part of
a Cutter and Its Cross Section on the Temperature
Deformation of the Cutter, by A. M. Daniyelyan,
I. P. Parshin. *ЭРН*

RUSSIAN, per, Trudy Mosk Aviat Tekh Inst, Issled
V Oblasti Mekh Obrabotki Metallov, No 53, 1962,
pp ~~522~~ 5-7.

*FTD-TP-62-1871

Sci - Engr

Dec 62

Certain Problems of the Physics of Cutting
Heat Resistant Alloys, by A. M. Daniyelyan,
P. I. Bobrik, 18 pp.

RUSSIAN, bk, Trudy Mosk Aviats Tekh Inst,
Issled v Oblasti Mekh Otrabotki Metallov,
No 53, Moscow, 1962, ppxfxx 8-22.
9668330

FTD-TT-62-1871

229,426

sci-m/m
apr 63

S-926/62

Some Questions on the History of the
Development of Aircraft Instruments and Their
Parts and Element, by G. A. Slomyanskiy.

(DC-8332)

Early

RUSSIAN, per, Moskovskiy Aviatsionnyy Tekh
Institut, Nekotoryye Voprosy Sovremennoy
Tehnologii Priborostroyeniya, Trudy Instituta,
No 52, 1961, pp 20-28.

*JPRS

Sci - Engr
20 Dec 62

Gyroscopic Drift Induced by Friction in the
Cardan Ball-bearings and Reduction of This Drift
by Means of Rotating Bearings, by Ye. M. Rodyonov.

RUSSIAN, per, Trudy Aviatsionnyy Tekh Inst,
Nekotoryye Voprosy Sovrem Tekh Priborostroy,
Moscow, No 52, 1961, pp 33-44.

*FTD-TT-62-1900

Sci-Engr

Dec 62